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(54) Title: METHOD FOR INDEXING DATA IN A DIGITAL TELEVISION TRANSMISSION SYSTEM

(57) Abstract

Method for indexing data in a digital television transmission system, in particular DVB. The transmission system comprises at least one receiver, which performs the following steps: extracting from a transmitted digital data stream hierarchically organized lists of networks, channels, services, events or descriptions of the same type; creating for each extracted list an array comprising an address pointer for each element of said extracted list, each address pointer pointing towards a memory area of said receiver in which additional information concerning each element is stored; referring to a given element in a list using a logic key composed of the juxtaposition of the index of said given element in the array to which it belongs and indexes of elements above said given element in said hierarchy. The invention can be used in the field of digital television (DVB, DSS...).

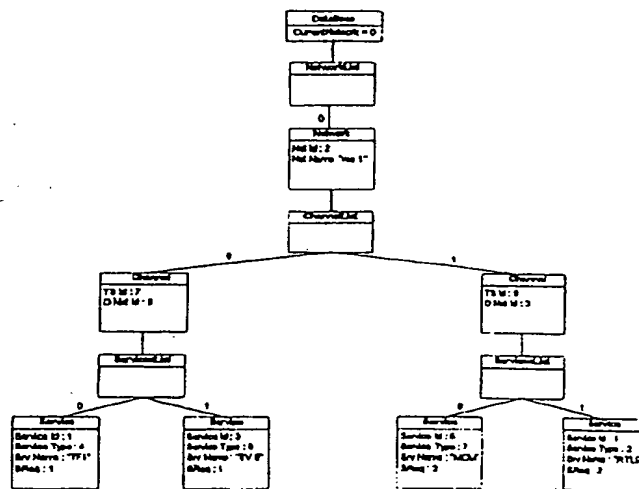


Table of transmitted module elements

Id Num	Function	Status	Type	App. Param
1	GetServiceFromChannel	ok	Param.Alert	A
2	GetServiceFromChannel	ok	Param.Alert	A

Table of additional elements

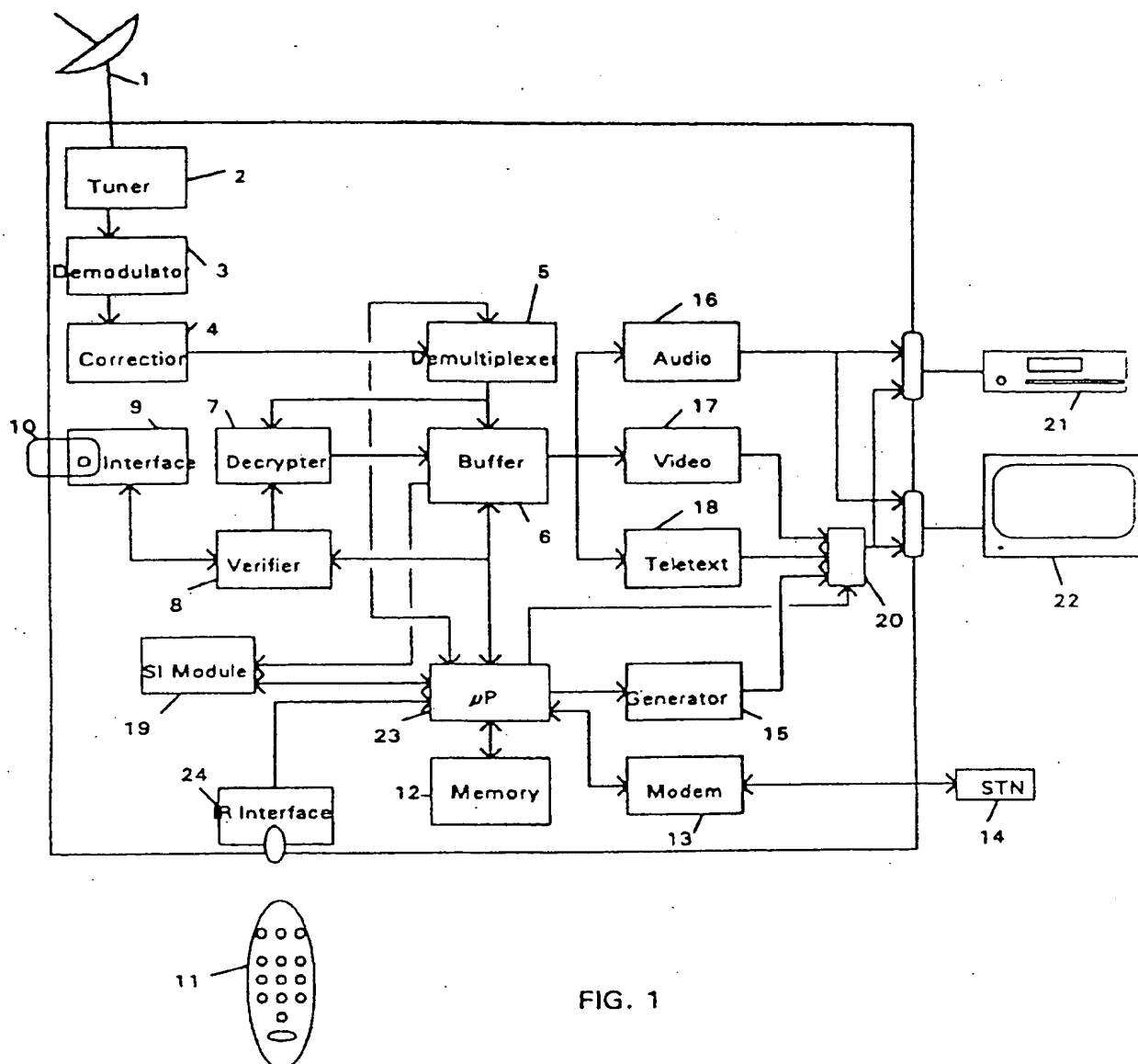
Id Num	Type	Function	Module Name	Id Num
A	Param	GetServiceFromChannel	0	2
				1,3

Table of additional elements

Param:	Net M:2
TS M:2	
O Net M:2	
Net Name: 'Net 1'	

Table of additional elements

Param:	Net M:2
TS M:2	
O Net M:2	
Net Name: 'Net 1'	



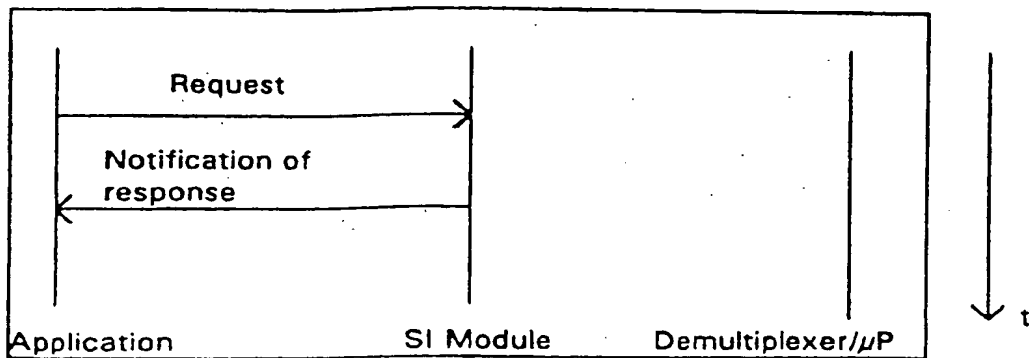


FIG. 2a

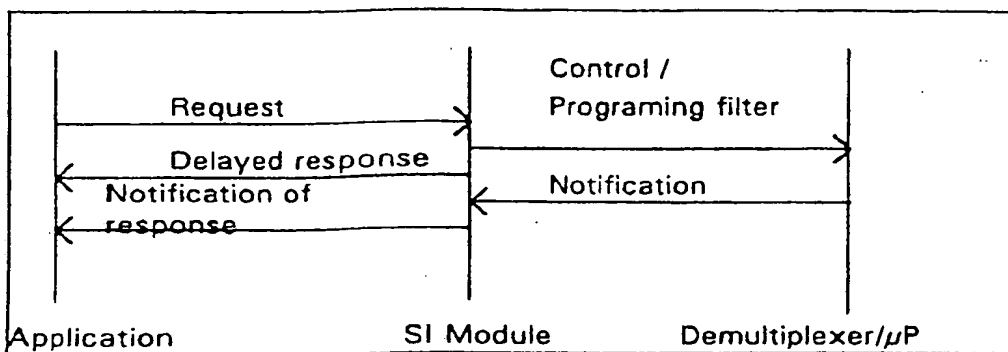


FIG. 2b

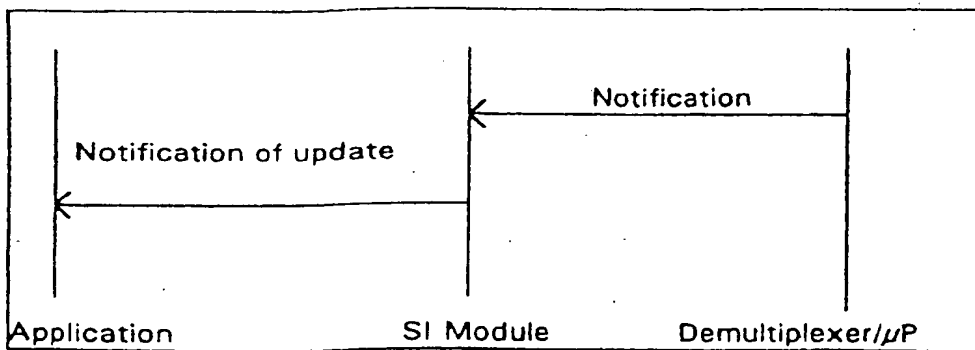


FIG. 2c

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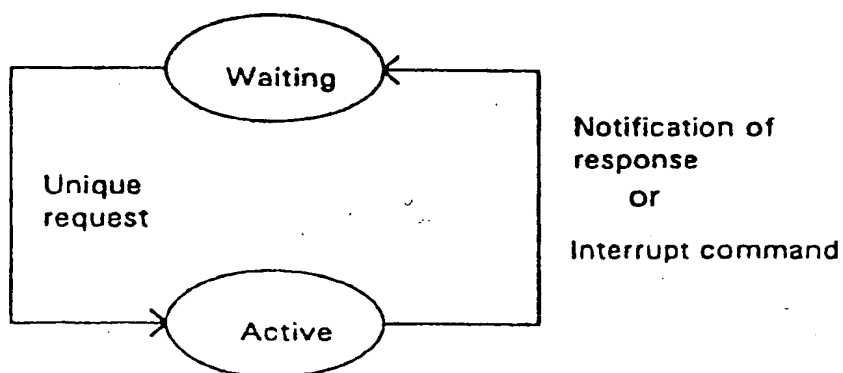
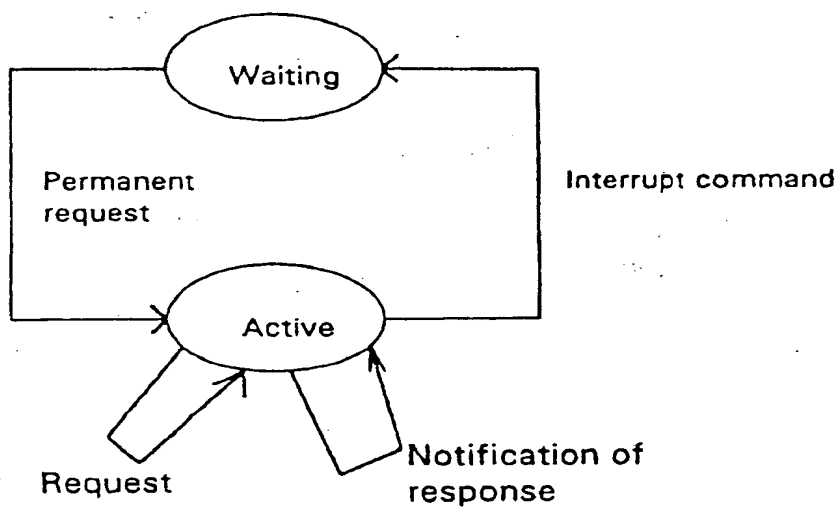
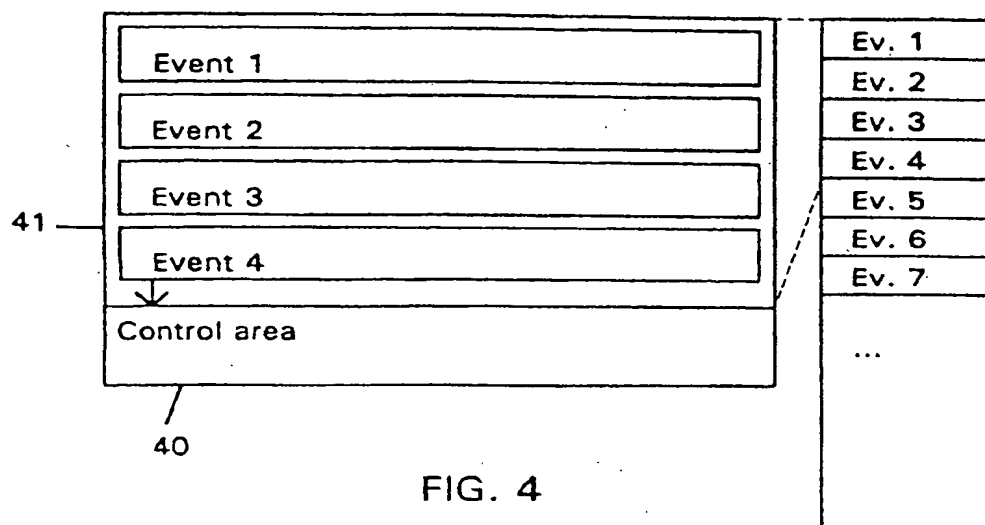


FIG. 3a

FIG. 3b





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FIG. 5

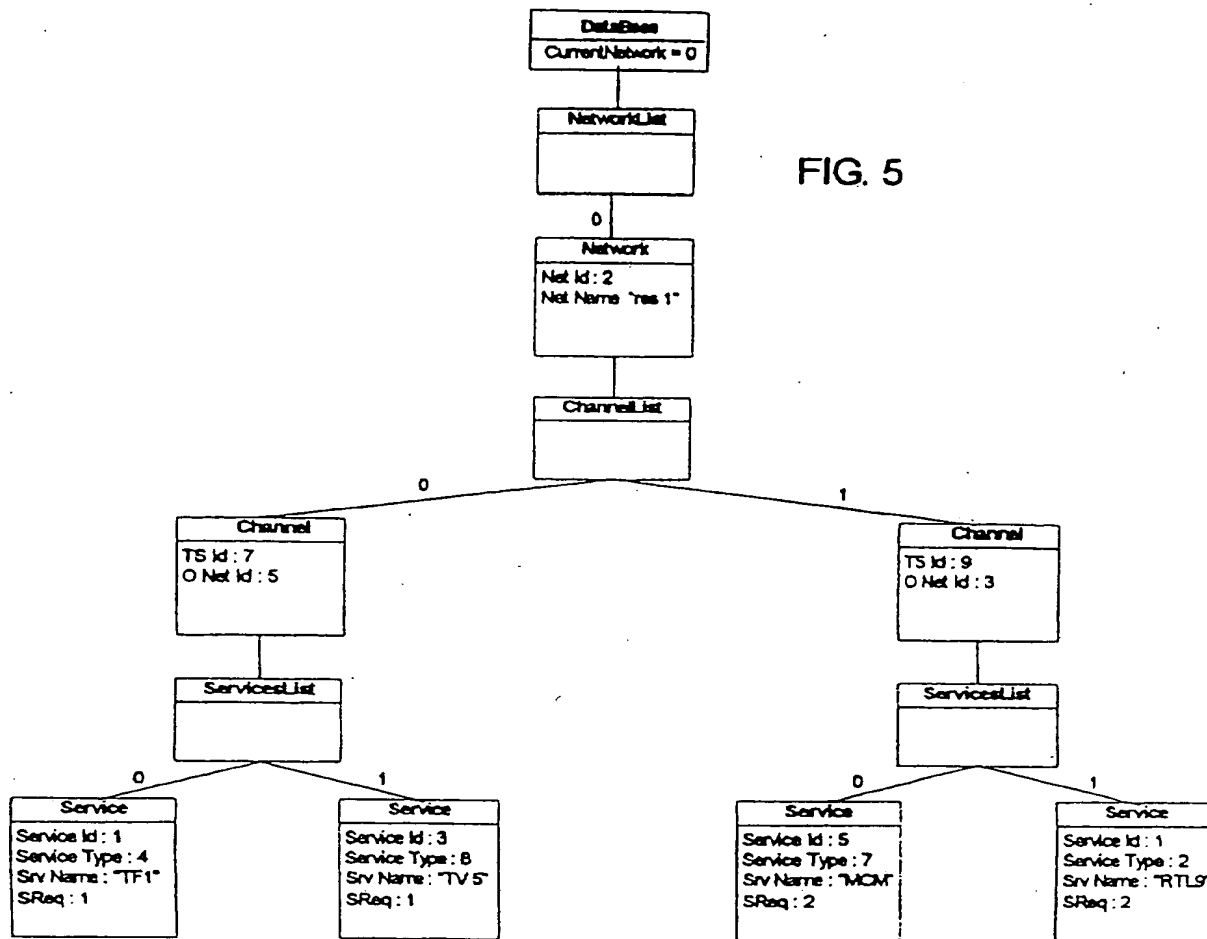


Table of management module requests

Id Req	Function	Status	Type	App Req
1	GetServListFromChannel	ok	Perm/N-ant	A
2	GetServListFromChannel	ok	Perm/N-ant	A

Param :
 Net Id : 2
 TS Id : 7
 O Net Id : 5
 (Key Log : 0.0)

Param :
 Net Id : 2
 TS Id : 9
 O Net Id : 3
 (Key Log : 0.1)

Table of applicational requests

Id Req	Type	Function	Waiting	SingNb	SList
A	Perm	GetServListFromNet	0	2	1,2

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